

Catalog	Unit
TBI1488-5MG	5 mg
TBI1488-25MG	25 mg

Product Details

Formal Name: 3-[1,3-Dihydro-3-(hydroxyimino-2H-indol-2-ylidene)]-1,3-dihydro-2H-indol-2-one

Alternate Names: Indirubin-3'oxime

Molecular Formula: C₁₆H₁₁N₃O₂

Formula Weight: 277.29

CAS Number: 160807-49-8

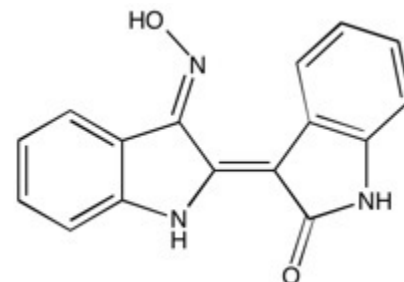
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 6 mg/ml) or in Ethanol (up to 4 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

GSK-3b and CDK inhibitor

Functions

A potent GSK-3 β inhibitor (IC₅₀=22 nM). Also inhibits CDK1 (IC₅₀=180 nM) and CDK5 (IC₅₀=100 nM). Displays antimetabolic properties and induces endoreplication following prophase arrest in HBL-100 cells. Possesses antiangiogenic activity. Attenuates β -amyloid-associated neuropathology in a mouse model of Alzheimer's disease. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 6 mg/ml) or in Ethanol (up to 4 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

For research use only.